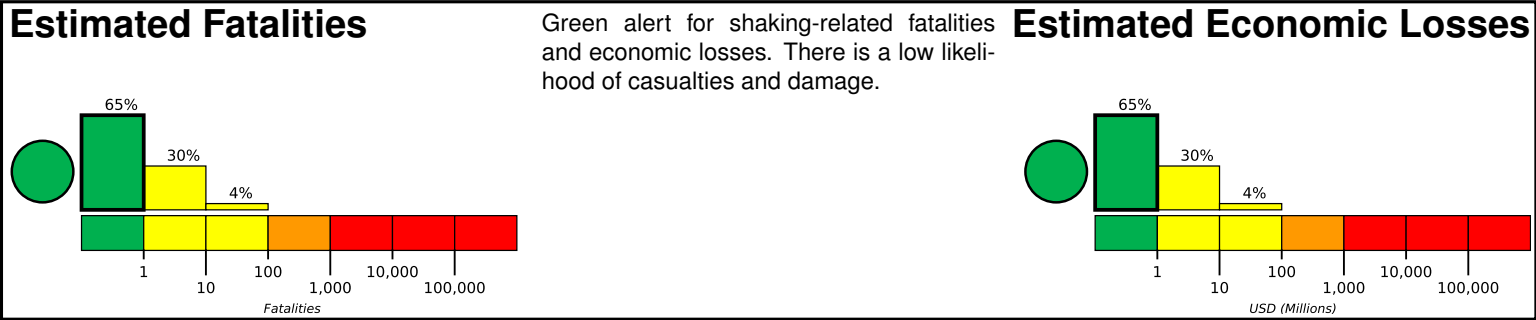


M 4.6, 89km SE of Estacion Coahuila, B.C., MX

Origin Time: 2023-07-16 19:16:02 UTC (Sun 12:16:02 local)
Location: 31.5608° N 114.4541° W Depth: 10.0 km

PAGER Version 13

Created: 2 weeks, 3 days after earthquake

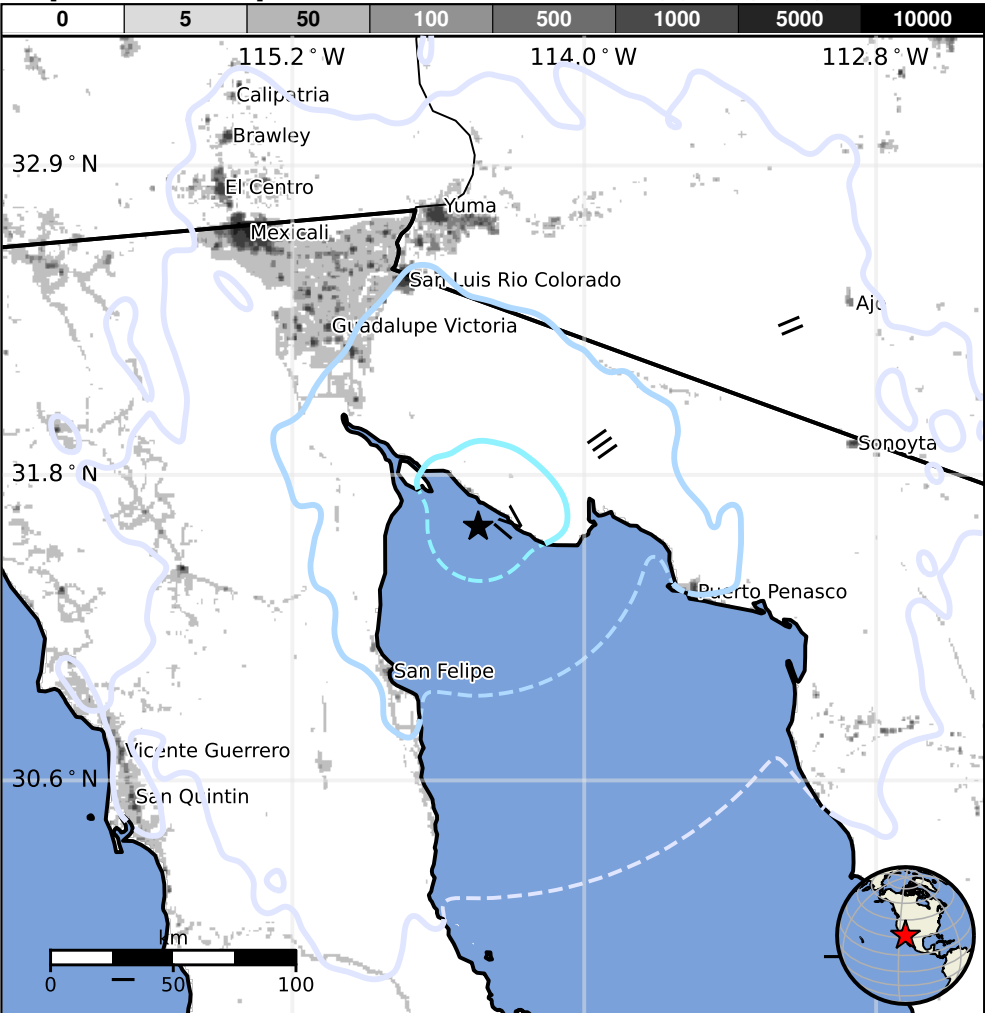


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		109k*	1,908k	2k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1992-06-28	350	7.3	VIII(23k)	1
1999-10-16	376	7.1	IX(17k)	0
1980-06-09	89	6.3	IX(22k)	1

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
III	Ejido Doctor Alberto Oviedo Mota (El Indiviso)	1k
III	Puerto Penasco	34k
III	San Felipe	15k
III	San Luis Rio Colorado	139k
III	Nuevo Michoacan (Estacion Riito)	1k
III	Ciudad Coahuila (Kilometro Cincuenta y Siete)	6k
II	Yuma	93k
II	Fortuna Foothills	26k
II	Calxico	39k
II	Mexicali	597k
II	El Centro	43k